

LEGOROV, K.D., kand.ekon.nauk; TROSHINA, A.P.; KOVALEV, P.P.; NOVIKOVA, A.A.; LAGUTINA, M.V.; VOLNINA, N.A.; SHESTAKOVA, R.V.; AKIMCHENKO, O.Ye.; KULEBAKIN, V.S., akademik, red.; VEYTS, V.I., red.; BUTENKO, A.F., kand.filosof.nauk, red.; RYBINSKIY, M.I., red.; CHASHNIKOVA, M.V., red.; NIZHNYAYA, S., red.; VOSKRESENSKAYA, T., red.; CHEKHUTOVA, V., red.; RKLITSKAYA, A.D., red.; CHEPELEVA, O., tekhn.red.

[Works of the State Commission for the Electrification of Russia; documents and materials] Trudy Gosudarstvennoi komissii po elektrifikatsii Rossii GOELRO; dokumenty i materialy. Red.komissii: V.S.Kulebakin and others. Moskva, Izd-vo sotsial'no-ekon.lit-ry, 1960. 306 p. (MIRA 14:2)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennaya komissiya po elektrifikatsii Rossii. 2. Chlen-korrespondent AN SSSR (for Veyts). (Electrification)

SOV/112-57-9-19606

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1957, Nr 9, p 240 (USSR)

AUTHOR: Rybinskiy, O. A.

TITLE: Production-Line Carbonization of Resistors in a Neutral Medium
(Potochnoye nauglerozhivaniye soprctivleniy v neytral'noy srede)

PERIODICAL: Inform. tekhn. sb. M-vo radiotekhn. prom-sti SSSR, 1955,
Nr 9-10, pp 47-53

ABSTRACT: The conducting layer of carbon-composition resistors is usually produced by a pyrolytic decomposition of hydrocarbon vapors in an enclosed space in a vacuum. The method has the following disadvantages: (1) it is very difficult to obtain a semi-product which would have a preset resistance value; (2) a high vacuum with a high temperature is necessary. These disadvantages do not exist in case of the production-line method of carbonizing ceramic tubes that continuously pass a heated furnace filled with hydrocarbon vapors and a neutral gas. The gas mixture in the furnace also moves continuously. Line production of resistors permits easy adjustments of the resistance value to make it close to the preset rated value, thus increasing labor productivity. A

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Production-Line Carbonization of Resistors in a Neutral Medium

simplified scheme of a primitive rotating furnace for line carbonization is presented, as well as an analysis of its most important shortcomings, because of which it cannot be used in industry. Simplified layouts are presented of two improved rotating tube furnaces. Rotation of a tubular furnace is necessary to ensure uniform carbonization of ceramic bases. These furnaces have none of the disadvantages inherent in the primitive production-line carbonization furnace; however, they require a gas-type moving coupling operating at a high temperature between the periodically-rotating tubular furnace and a stationary inlet or outlet gas pipe (for the working mixture or neutral gas). Continuous feeding of the working gas mixture can be secured by means of a ceramic shoe tightly wiped to the rotating furnace tube. However, experience has shown that the rotating tube quickly deteriorates as a result of its friction against the ceramic shoe. For normal operation of these furnaces, the following conditions should be met: (1) maintenance of a constant temperature for vaporization of a hydrocarbon liquid; (2) continuous maintenance of the necessary composition of the vaporizing hydrocarbon liquid; (3) smooth feeding of hydrocarbon vapors

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PHASE I BOOK EXPLOITATION SOV/4101

Rybinskiy, Oleg Aleksandrovich, and Aleksandr Aleksandrovich Malyshev

Postoyannyye neprovolochnyye soprotivleniya (Permanent Non-Wire Resistors)
Moscow, Gosenergoizdat, 1959. 163 p. 7,000 copies printed.

Ed.: V.M. Zhestyanikov; Tech. Ed.: O.S. Zhitnikova.

PURPOSE: This is a manual for personnel of the radio-engineering industry. It
may also be used by students of radio-engineering schools.

COVERAGE: The manual discusses different types of fixed non-wire resistors,
their classification and characteristics, and industrial processes used in
manufacturing and testing such resistors. The authors thank N.D. Gorbunov,
B.A. Bochkarev, N.P. Bogoroditskiy, V.V. Pasynkov, Ye.A. Yevseyev, and
A.I. Postnov. There are 113 references: 66 Soviet (3 of which are trans-
lations) 35 English, 6 German, 4 French, and 2 Polish.

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Foreword
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N. Ye Rybin'skiy

24(8)

PHASE I BOOK EXPLOITATION 507/2117

Sovremennye poeksperimental'noy tekhnike i metodam vysokotemperaturnykh issledovanii, 1956

Experiments'nyaya tekhnika i metody issledovaniy pri vysokikh temperaturakh; trudy soveshchaniya [Experimental Techniques and Methods of Investigation at High Temperatures] Transactions of the Conference on Experimental Techniques and Methods of Investigation at High Temperatures Moscow AN SSSR 1959, 789 p. (Series: Akademiya nauk SSSR. Institut metallicheskikh nizkotemperaturnykh issledovanii. Trudy instituta 8-11. Komissiya po fiziko-

khimicheskikh nizkotemperaturnykh issledovanii) 2,200 copies printed.

Repd. Ed.: A.M. Samarin, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: A.I. Bankviter.

PURPOSE: This book is intended for metallurgists and metallurgical engineers.

COVERAGE: This collection of scientific papers is divided into six parts: 1) thermodynamic activity and kinetics of high-temperature processes; 2) constitution diagram studies; 3) physical properties of liquid metals and alloys; 4) new analytical methods and proportion of pure metals; 5) pyrometry; and 6) general questions. For more specific coverage, see Table of Contents.

VINOGRADOV, M.M. and R.Ye. Rybin'skiy. Technique of Vaporizing Refractory and Chemically Active Metals in a Vacuum With the Aid of a Focused Electron Beam. 108

A small metal specimen is placed in a crucible made of the same metal as the specimen itself. A stream of electrons, emitted by an incandescent cathode and accelerated by an electrical field to the energy level of several thousand electron volts, is directed onto the specimen. The metal melt, heated by the power input, is sufficiently high. Superheating of the metal above the boiling point, necessary for rapid vaporization of a number of refractory metals, presents difficulties because of the rapid heat transfer caused by convection currents in the liquid metal. Increasing the intensity of the electron beam overcomes this difficulty, but it is more advisable to increase the concentration or the power input, focusing the electron beam on a small area of the metal surface. A very intense local heating is thus obtained, so that in spite of a reduction of evaporative surface, the overall rate of evaporation increases greatly in comparison with that for a metal specimen heated with a scattered electron beam. The comparative simplicity of producing a high concentration of power input in heating by electron bombardment makes this method especially convenient for vaporizing small quantities (several grams) of refractory metals under laboratory conditions. Metals amenable to such treatment are titanium, zirconium, tungsten, molybdenum, tantalum, niobium, and boron. Two types of vaporizers are described. Three applications of the method are: 1) application of thin layer of refractory and active metals to various surfaces; 2) production of thin fine filaments (fibers); 3) metallographic study of condensed two-component and multicomponent systems by S.A. Vekhnikova.

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"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

KOSTYUK, O.M.; RYBINSKIY, V.Ye.; TSUKERNIK, L.V.

Improved automatic excitation controller of large synchronous motors.
Trudy Inst. elektrotekh. AN URSR 20:100-108 '63.

(MIRA 17:11)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

RYBINSKAYA, V.V., assistent

Two cases of duodenal ulcer penetrating into the bile duct. Klin.
khir. no.1:70-71 '65. (MIRA 18:8)

1. Gospital'naya khirurgicheskaya klinika (zav. - prof. N.Ya.
Khoroshmanenko) Dnepropetrovskogo meditsinskogo instituta.

TSUKERNIK, L.V., kandidat tekhnicheskikh nauk; RYBINSKIY, V.Ya., inzhener.

Automatic excitation control for small and medium generators.
Energetik 3 no.12:3-7 D '55. (MLRA 9:2)
(Voltage regulators) (Electric generators)

AID P - 3697

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 2/25

Authors : Tsukernik, L. V., Kand. Tech. Sci., and V. Ye. Rybinskiy,
Eng.

Title : Automatic excitation regulator for low and medium
capacity generators

Periodical : Energetik, 12, 3-7, D 1955

Abstract : The authors describe an automatic excitation regulator
for low and medium capacity synchronous generators
designed at the Electric Engineering Institute of the
Academy of Sciences, USSR. This regulator consists of
a compounding arrangement and an electromagnetic voltage
corrector of the EMK-M type. One connection diagram,
2 diagrams, 2 oscillograms, 1 photograph and 2 tables.

Institution : None

Submitted : No date

RYBINSKIY, V.Ye.

TSJKERNIK, L.V., kand. tekhn. nauk; KSTYUK, O.M., inzh.; RYBINSKIY, V.Ye.,
inzh.

Controlled phase compounding of synchronous motors with voltage
correction. Elektrichestvo no.2:27-34 F '58. (MIRA 11:2)

1. Institut elektrotekhniki AN USSR.
(Electric motors, Synchronous) (Voltage regulators)

RYBINSKIY, V. Ye.

AID P - 1606

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 15/27

Authors : Inosov, V. L, Doc. of Tech. Sci., Shestopalov, V. N., Eng., and Rybinskiy, V. Ye., Eng.

Title : Arrangement for the measurement of the coasting angle of a synchronous machine

Periodical : Elektrichestvo, 3, 70-72, Mr 1955

Abstract : The authors designed an arrangement to measure the relative angles between the emf vectors of the generators at the various electric power stations of an electric power system. They describe the structure and functioning of the arrangement. Two diagrams

Institution: Electrical Engineering Institute of the Academy of Sciences of the USSR

Submitted : Ag 24, 1954

R Y B I N S K I Y , V. E.

1-3384. AUTOMATIC REGULATION OF EXCITATION IN LOW-
POWER SYNCHRONOUS GENERATORS

L.V.Tsukernik, V.E.Rybin斯基 and O.M.Komyuk
Energetik (Moscow), 1957, No. 3, 7-11. In Russian.

The reasons for the stringent voltage regulation of low-power
(25-150 kW) generators are given. For 10% load, the voltage should
be kept within $\pm 5\%$. A description, with circuit diagram, of a cheap
regulator which fulfills these requirements is given, together with its
characteristics. A brief comparison is made with two other types
of regulator on the basis of cost, weight and power consumption.

M.W.Makowski

Perry May

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CIA-RDP86-00513R001446410010-0

KOSTYUK, O.M., kand. tekhn. nauk; RYBINSKIY, V. Ye., inzh.; TSUKERNIK,
L.V., doktor tekhn. nauk

Wider use of electromagnetic automatic voltage regulators.

Energ. i elektrotekn. prom. no.4347-52 0-0 '63.

(MIRA 17:10)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

RYBINSKIY, Yu.

TSkhra-Tskharo space laboratory. NTO 5 no.2:60-61 F '63. (MIRA 16:3)
(Caucasus--Physical laboratories)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

KIREYEV, V., mekhanik; VOLODKOVICH, V.; RYBINTSEV, P.

Motion pictures in lessons. Prof.-tekhn.oibr. 19 no.2:27-28
F '62. (MIRA 15:2)

1st Tekhnicheskoye uchilishche No.9, Rostov-na-Donu (for
Kireyev).

(Motion pictures in education)

RYBITSKA, V.

The mechanism of the suppression of cardiac activity in hypoxemia.
Trudy ISGMI 45:216-220 '58 (MIRA 11:11)

1. Kafedra patologicheskoy fiziologii Leningradskogo sanitarno-gigienicheskogo meditsinskogo instituta (zav. kafedroy - prof. L.R. Perel'man).
(HEART)
(ANOXEMIA)

RYBITSKI, Z. (Pol'skaya Narodnaya Respublika)

Cleaning of exhaust air in viscose production. Khim.volok.
no.3:46-47 '60. (MIRA 13:?)
(Poland--Rayon) (Gases--Cleaning)

NAUMOV, N.A.; SAVICH, V.P., professor, zasluzhennyy deyatel' nauki RSFSR,
doktor biologicheskikh nauk, otvetstvennyy redaktor; RYBITSKIY, N.A.,
redaktor; ARONS, R.A., tekhnicheskiy redaktor.

[A study of fungi in the Leningrad Province] Flora gribov Leni-
gradskoi oblasti. Part 1. [Archimycetes and phycomycetes] Arkhimili-
tsety i fikomitsety. 1954. 182 p. Moskva, Izd-vo Akademii nauk SSSR.
1954. 182 p.

(MLRA 7:12)

(Leningrad province--Fungi)

IAVRIK, P.I.; RYBITSKIY, N.A.; KRYUKOV, Fedor Aksent'yevich

[The fruit and berry orchard; a reference book] Plodovy i iagodnyi sad; nastol'naia kniga sadovoda. [Leningrad] Leningradskoe gazetno-zhurnal'noe i kn-vo, 1955. 275 p. (MLRA 9:10)
(Fruit culture)

RYBITSKIY, Nikolay Antonovich; MAL'CHIKOVA, V.K., red.

[Currant and gooseberry] Smorodina i kryzhevnik. Leningrad,
Lenizdat, 1965. 145 p. (MIRA 18:5)

NIKIFOROV, Aleksey Stepanovich; RYBITSKIY, Nikolay Antonovich; GORYACHEVA,
Ye.P., kand.sel'skokhoz.nauk, nauchnyy red.; DANILEVSKAYA, O.N.,
red.; TIKHONOVA, I.M., tekhn.red.

[Manual for controlling diseases and pests of fruits and berries]
Rukovodstvo po bor'be s vrediteliami i bolezniami plodovykh i
lagodnykh kul'tur. Leningrad, Lenizdat, 1960. 95 p.

(MIRA 13:12)

(Fruit--Diseases and pests)

RYBITSKIY, Nikolay Antonovich

[Strawberries] Zemlianika. [Leningrad] Lenizdat, 1957. 54 p.
(Strawberries). (MIRA 10:10)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

RYBITSKIY, Nikolay Antonovich; LEBEDEV, V.A., red.; ONOSHKO, N.G.,
tekhn. red.

[Currants] Smorodina. Leningrad, Lenizdat, 1961. 98 p.
(MIRA 15:5)

(Currants)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

RYBITSKIY, Nikolay Antonovich

[Currants] Smorodina. [Leningrad] Lenizdat, 1957. 64 p. (MLRA 10:9)
(Currants)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

RYBITSKIY, N.A.; URBAN, V.I.; MEL'NIKOV, P.Ya.; DOMBROVSKIY, V.P.; BEYLINSON, A.O.; LIKHONOS, F.D., doktor sel'skokhoz.nauk, red.; AUERBAKH, L.K., tekhn.red.

[Everything for the orchard and garden; catalog-handbook on fruit and vegetable culture, orchard and garden equipment, fertilizers and insecticides] Vse dlia sada i ogoroda; katalog-spravochnik po sadovodstvu i ogorodnichestvu, sadovo-ogorodnomu inventariu, udobreniiam i iadokhimikatam. Leningrad, Izd.Leningr. kombinata Rostorgreklama, 1960. 166 p. (MIRA 13:6)

1. Leningradskaya mezhoblastnaya optovaya baza Roskhoztorg Ministerstva torgovli RSFSR (for Mel'nikov, Dombrovskiy, Beylinson).
(Gardening)

RYBITSKIY, Nikolay Antonovich, red.

[Fruit and berry orchard] Plodovyi i iagodnyi sad. Leningrad,
Lenizdat, 1960. 305 p. (MIRA 14:10)
(Leningrad region—Fruit culture)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

KUNKIN, Ya.A., kand. tekhn. nauk; RYBITSKIY, V.A., inzh.

Diamond lapping of boring heads for machining tractor engine
sleeves. Mashinostroenie no.3:22-24 My-Je '64.

(MIRA 17:11)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

KUNKIN, Ya.A., kand.tekhn.nauk; MIL'SHTEYN, M.Z., kand.tekhn.nauk; RYBITSKIY,
V.A., kand.tekhn.nauk

Efficiency of diamond machining of hard-alloy cutters.
Mashinostroitel' no.3:18-19 Mr '65. (MIRA 18:4)

RYBITSKIY, Ye.V., arkhitektor

Improvement of sanitary and hygienic labor conditions. Tekst.
prom. 19 no.10:9-12 0 '59. (MIRA 13:1)

(Textile workers--Diseases and hygiene)
(Textile industry--Safety measures)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

ZLOBIN, V.F.; IUNKIN, Ya.A.; MIL'SHTEYN, M.Z.; RIBITSKIY, V.A.

Diamond grinding of a sectional multicut hard-alloy tool.
Mashinostroitel' no.10:16-18 O '64.

(MIRA 17:11)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

KYBITVI, V.

✓ 2038. Potentiometric neutralisation titrations in
non-aqueous media with bimetallic electrodes. V.
Novák. (Výzkumný listový org. syntes, Pardubice-

Republik Česchoslovácká). Chem. Listy, 1955, 49

(8), 848-853.—New bimetallic electrode systems
for potentiometric neutralisation titrations in
anhyd. methanol and glacial acetic acid are de-
scribed. For titrations with the former solvent, the
bimetallic system Pt-Ag is best, but the systems
W-Ag, Te-Ag, W-graphite, Pt-Au, W-Au
and Pt-graphite are likewise suitable. For titra-
tions in acetic acid (containing 30 per cent. of
acetic anhydride) electrodes consisting of graphite
and one of the following metals have been used
successfully—W, Au, Sb, Ag, Pt or Te.

G. GLASER

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CIA-RDP86-00513R001446410010-0

RYBKA, EUGENIUSZ

RYBKA, EUGENIUSZ. Słonce (The Sun). Warszawa, 1948, p. 67.

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RYBKA, EUGENIUSZ

RYBKA, EUGENIUSZ. *Astronomia (Astronomy: Textbook for Mathematics and Science Colleges)*. Warszawa, 1949, p. 231.

RYBKA, EUGENIUSZ

RYBKA, EUGENIUSZ. Photovisual Magnitudes of 635 Stars North of $\delta = +80^\circ$. Wrocławskie Towarzystwo naukowe. Prace, Seria B, no. 18, 1949, p. 74.

RYBKA, EUGENIUSZ

RYBKA, EUGENIUSZ. Red Magnitudes of 172 Stars North of $\delta = +84^\circ$.
Wrocławskie Towarzystwo naukowe. Prace, Seria B, no. 28, 1950, p. 30.

RYBKA, EUGENIUSZ

RYBKA, EUGENIUSZ. Photovisual Magnitudes of 635 Stars North of $\delta = +50^\circ$. Polskie Towarzystwo astronomiczne. Sprawozdania, 1951, no. 1, p. 18-19.

RYBKA, EUGENIUSZ.

RYBKA, EUGENIUSZ. A Catalog of More Distant Stars. Problemy, 1954,
no. 4, v. 10, p. 228.

RYBKA, E.

"Jan Sniadecki (1756-1830), the organizer of Polish astronomical research."

p. 43 (Kosmos. Serbia B: Przyroda Nieożywiona) Vol. 3, no. 1, 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

~~RYBKA, E.~~

"Magnitudes of stars."

p. 205 (Kosmos. Serbia B: Przyroda Nieożywiona) Vol. 3, no. 3, 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

RYBKA, E.

10th Congress of the International Astronomical Union. p. 77

KOSMOS. SERIA B: PRZYRODA NIEOZYWIONA. (Polskie Towarzystwo Przyjednikow im. Kopernika)
Warszawa. Vol. 5, no. 1, 1959
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

RERKA, E.

Standard two-color magnitudes of 38 stars near the selected areas 1-39. In English. G. G.

(ACTA ASTRONOMICA. Vol. 7, no. 1, 1957, Warszawa, Poland)

SD: Monthly List of East European Accessions (vol. I) LC. Vol. 5, no. 12, Dec. 1957.
Incl.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

RYBKA, Eugeniusz

Wladyslaw Dziewulski, 1878-1962. Kwart hist nauki i tech 7
no.3:339-340 '62.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

RYBKA, Eugeniusz

Galileo Galilei in the light of contemporary astronomy, Nauka
polska 13 no.1:ll-17 Ja-F '65.

RYBKA, E.

Answering I.Pagaczewski's remarks. Postepy astronom 13 no.2:144-
145 '65.

RYBKA, Eugeniusz, prof. dr

Mathematics and physical sciences at the Krakow University on
the occasion of its 600th anniversary. Problemy 20 no.5:258-
267 '64

1. Head, Astronomical Observatory of Jagiellonian University,
Krakow.

RYBKA, E.

Some remarks on the application of the rigorous extinction
formulae. Acta astronom 13 no.3:169-178 '63.

1. Astronomical Observatory, University, Krakow.

RYBKA, Eugeniusz (Krakow)

Nearest cosmic space. Wszechswiat no.6:129-136 Je '63.

RYBKA, Eugeniusz, prof.

Polish Society of Amateurs of Astronomy. Review Pol Academy 6 no.
4:63-64 O-D '61.

1. Curator of the Polish Society of Amateurs of Astronomy, Krakow,
ul. Solskiego 30.

RYBKA, Eugeniusz, prof.

History of the Polish Association of Friends of Astronomy, on occasion
of it's 40th anniversary. Nauka Polska 9 no.3:167-172 '61.

1. Kurator Towarzystwa Miłośników Astronomii, Krakow, ul. Polskiego
30.

RYBKA G.T.

Scale removal from the heaters of second carbonation units.
Sakh. prom. 37 no. 5:40-41 My '63. (MIRA 16:6)

1. Volokonovskiy sakharnyy zavod.
(Sugar machinery--Maintenance and repair)

RYBKA, H.

Technical standardization of time in individual and limited output production. p.192.

MECHANIK. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich)
Warszawa, Poland. Vol. 4, no.4, July/August 1959.

Monthly List of East European Accession. (EEAI) LC, Vol. 9, no. 1,
Jan. 1960.

Uncl.

RYBKA, J.

2

CZECHOSLOVAKIA

SOYKA, O, MD, Candidate of Science; RYBKA, J; KOTASKOVA, M.

Second Internal Medicine Ward OUNZ (II vnitrní odd.
OUNZ), Gottwaldova - (for all)

Prague, Vnitrní lekarství, No 4, 1963, pp 370-372

"The Employment of Higher Dosage of Corticoids for the
Treatment of Haemoblastoses."

RYBKA, J.; GOSPODAPEK, T.

What is the situation with electric motors and motorcycles? p. 5.
(ROlnIK SPOLDZIELCA. Vol. 9 (i.e. 10) no. 14, Apr. 1957, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

L 16726-65 EWT(m)/EWP(w) ASD(f)-2 EM
ACCESSION NR: AP5000276

S/0040/64/028/006/1061/1069

AUTHORS: Mossakovskiy, V. I. (Dnepropetrovsk); Ryabka, M. T. (Dnepropetrovsk)

TITLE: Generalization of the Giffith-Sneddon criterion to the case of an inhomogeneous body

SOURCE: Prikladnaya matematika i mehanika, v. 28, no. 6, 1964, 1061-1069

TOPIC TAGS: elastic material, elastic stress, boundary value problem

ABSTRACT: The authors study the problem of two elastic half-spaces with different elastic properties. In the joining plane is a crack of radius a . Stretching stresses $p = \text{const}$ are applied at infinity perpendicular to the plane of the crack. In rectangular coordinates, the boundary of the elastic half-spaces coincides with the plane $z = 0$ and the origin is at the center of the crack. The solution is sought in the form

$$\begin{aligned} u &= \varphi_1 + z \frac{\partial \psi}{\partial x}, & v &= \varphi_2 + z \frac{\partial \psi}{\partial y} \\ w &= \varphi_3 + z \frac{\partial \psi}{\partial z} \end{aligned} \quad (1)$$

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ACCESSION NR: AP5000276

where $u(x,y,z)$, $v(x,y,z)$, $w(x,y,z)$ are projections of the elastic displacements on the coordinate axes; φ_1 , φ_2 , φ_3 and ψ are harmonic functions of x , y , z in space, related by

$$\frac{\partial \psi}{\partial z} = \frac{1}{4v-3} \left(\frac{\partial \varphi_1}{\partial x} + \frac{\partial \varphi_2}{\partial y} + \frac{\partial \varphi_3}{\partial z} \right) \quad (2)$$

where v is the Poisson coefficient. This problem is reduced to an axisymmetric problem in potential theory, which is in turn reduced to a plane problem in potential theory. The authors solve the latter and apply their developed theory to the determination of the destructive stresses, normal and tangent, outside the crack on the dividing plane. Orig. art. has: 65 formulas and 1 figure.

ASSOCIATION: none

SUBMITTED: 14Jul64

ENCL: 00

SUB CODE: AS, ME

NO REF Sov: 004

OTHER: 002

Card 2/2

MOSSAKOVSKIY, V.I.; RYBKA, M.T. (Dnepropetrovsk)

Attempt at evolving a theory of the strength of brittle materials
based on Griffith's ideas about the energy state of solids.
Prikl. mat. i mekh. 29 no.2:291-296 Mr-Ap '65.

(MIRA 18:6)

RYBKA, N.M.

"A Collection of Printed Works on the Selection and Seed Growing
of Tomatoes";

dissertation for the degree of Candidate of Agricultural Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(*Investiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii*, Moscow, No. 2,
1963, pp 232-236)

RYBKA, N.M.

Tomato seed production. Kons. i ov. prom. 13 no.4:32 Ap '58.
(MIRA 11:4)

1. Opytno-selektionsnaya stantsiya v stanitse Krymskoy.
(Tomatoes)

RYBKA, N.M.; KOSINTSEV, N.S.

Organization of the vegetable seed production for the canning
industry. Kon.i ov.prom. 17 no.11:30-32 N '62. (MIRA 15:11)

1. Krymskaya opytno-seleksionnaya stantsiya Vsesoyuznogo instituta
rasteniyevodstva.
(Vegetable gardening) (Seed production)

RTEK, N.M.

Means for increasing the output of tomato products at the
Mikolian Canning Combine. Kons.i ov.prom. 12 no.5:30-34 My '57.
(MLRA 10:8)

1.Opytno-selektionsnaya stantsiya Vsesoyuznogo nauchno-issledova-
tel'skogo instituta konservnoy i ovoshchesushil'noy promyshlen-
nosti, v stanitse Krymskoy.
(Tomatoes)

1. RYBKA, N.M.
2. USSR (600)
4. Agricultural Machinery
7. Mechanization of tomato planting, Sad i og. no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

RYBKA, P.

WSZECHSWIAT. Warszawa. No. 9, Sept. 1958.

The problem of time. p. 244.

SCIENCE

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 2,
February 1959, Unclass.

RYBKA, P. (Wroclaw)

On the annual fluctuations of the level error of the Repsold
transit instrument of the Wroclaw Observatory; preliminary
results. Acta astronom 11 no.4:265-269 '61.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

RYBKA, Przemyslaw (Wroclaw)

Astronomical phenomena in July, August, and September, 1963.
Wszechswiat no. 7/8:186-187 Jl-Ag '63.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

RYJKA, PRZEMYSŁAW.

Rektascensje 555 gwiazd fundamentalnego katalogu słabych gwiazd w systemie
FK3. (Wyd. 1.) Warszawa, Państwowe Wydawn. Naukowe, 1956. 36 p.
(Ereslau. Observatorium Astronomiczne. Contributions, no. 13) (Right
ascensions of 555 stars of the fundamental catalog of faint stars in the
FK3 system. 1st ed. English and Russian summaries. tables)

SO: Monthly List of Fast European Accessions (FFAL) LC. Vol. 6, no. 7, July 1957. Uncl.

RYBKA, PRZEMYSŁAW

RYBKA, PRZEMYSŁAW. The Sky of 1956. Wiedza i życie, 1956, v. 23,
no. 1, p. 50-53.

S/194/62/000/011/040/062
D295/D508

AUTHORS: Beneš, Oldřich and Rybka, Vladimír

TITLE: A method for the preparation of contacts to semiconductors

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 11, 1962, 20, abstract 11-4-39ch (Czech. pat.,
cl. 21g, 11/02, no. 100212, Jul. 15, 1961)

TEXT: A cartridge construction is suggested for fabricating ohmic contacts and junctions by a fusion method. The cartridge possesses openings in which small rods of the melting material are inserted. The cartridge is made of nitrided titanium. ✓ Abstracter's note:
Complete translation.

Card 1/1

RYBKA, Vladimir, prom.fyzik; BENES, Oldrich, inz.

Capacity of P-N junctions and its voltage dependence. Slaboproudý
obzor 22 no.9:520-524 '61.

1. Vyzkumny ustav pro sdelovaci techniku A. S. Popova, Praha.

(Condensers(Electricity))

RYBKA, V.G.

Study of the form of flood waves in floods caused by rain in the
Prut and Stryy Rivers. Meteor. i gidrol. no.9:44-45 S '62.
(MIRA 15:8)

1. Obskaya gidrometeorologicheskaya observatoriya.
(Prut River--Floods) (Stryy River--Floods)

L 18326-63

ACCESSION NR: AP3001848

P/0032/63/010/001/0015/0028

45

AUTHOR: Rybka, Wieslaw (Warsaw)

TITLE: Boiling of water with alcohol and ketone admixture

SOURCE: Archiwum budowy maszyn, v. 10, no. 1, 1963, 15-28

TOPIC TAGS: heat transfer coefficient, boiling, alcohol, ketone, heat flow

ABSTRACT: The study was made at the Katedra Teorii Maszyn Cieplnych Politechniki Warszawskiej (Department of Thermal Machine Theory of the Warsaw Polytechnic Institute). Boiling was at atmospheric pressure. The boiling process was produced by heating a platinum wire inside the chamber containing the liquid. Boiling was observed from the time of strong convection state of the liquid up to the first boiling phenomenon, when boiling was manifested in the form of bubbles. Butyl alcohol, methyl-ethyl ketone and diethyl ketone were used as admixtures, up to 7 percent by volume. The diagram of the experimental arrangement is shown in Fig. 3 of Enclosure. Two types of wires were used: a platinum wire 0.35 mm diameter and a nickel-chromium wire 0.4 mm diameter. In both cases

Card 1/3

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ACCESSION NR: AP3001848

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the wire length was 47 mm. Calorimetric measurements were made and high-speed photographs of the boiling process were taken. Several of the photographs are reproduced in the article. The admixture caused an increase in the heat transfer coefficient by several factors. The critical rate of heat flow, at the first critical boiling state, was also increased several times, when compared with pure water. These phenomena always coincided with a detachment from the heating surface of bubbles of the smallest diameter, the detachment rate and the bubbles diameters being smaller than when nothing was added to the water. It was observed that there is an optimum concentration of alcohol and ketone in water for the transfer coefficient of the heat flow to reach the highest value. The results of experiments are represented on a number of curves. Orig. art. has 13 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00Aug62

DATE ACQ: 01Jul63

ENCL: 01

SUB CODE: CH

NO REF Sov: 000

OTHER: 005

Card 2/3

S/035/62/000/010/016/128
A001/A101

AUTHORS: Nekrasova, S. V., Nikonov, V. B., Polosukhina, N. S., Rybka, Ye.

TITLE: Photoelectric magnitudes and colors of reference photometric stars in Kapteyn areas. I. Some problems in methods of compiling fundamental photometric catalogues

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 30, abstract 10A244 ("Izv. Krymsk. astrofiz. obzerv.", 1962, v. 27, 228 - 240)

TEXT: A catalogue of photoelectric magnitudes and colors of reference photometric stars in Kapteyn's areas is necessary to reduce zero-points of scales of stellar magnitudes to a single system, as well as in allowance for atmospheric extinction. The authors set forth the task of observation of all reference photometric stars in 139 Kapteyn's areas ($\delta > -15^\circ$). In the future, observations should be extended to the entire southern half of the sky. Two methods are briefly described (Ye. Rybka and V. B. Nikonov) for compiling such a catalogue. Both of the methods are applied to the same observational data obtained in Crimea by means of an A3T-7 (AZT-7) meniscus telescope. In more

Card 1/2.

Photoelectric magnitudes and colors of...

S/035/62/000/010/016/128
A001/A101

VB

detail these methods were described earlier. Observations of 14 reference stars in 7 northmost Kapteyn's areas are utilized (results are tabulated), as well as of 17 stars of spectral classes B0-M2 from Johnson's list. Methods of observations and processing are described. It turned out that both of the methods yield errors of the same order ($0\text{m}01$), however Nikonov's method is more economical in time consumption and makes it possible to control more reliably the constancy of the photometric system. It was decided to use the latter method for the further work on the catalogue (individual observations are directly extrapolated beyond the atmosphere). It is established that instantaneous values of the gradient of extinction factor versus stellar color relation should be used in compiling catalogues of stars with a wide range of colors. There are 14 references.

B. Fesenko

[Abstracter's note: Complete translation]

Card 2/2

RYBKA, Ye.V.; MERGENTALER, I.G. (L'vov).

Red and blue photometry of VW Cephei. Publ.Kiev.astron.obser.
no.2:77-80 '48. (MIRA 7:2)
(Stars, Variable)

RYBKA, Eugeniusz

Rybka, Eugeniusz. Mikolaj Kopernik i jego nauka. Wyd. 1. Warszawa, Wiedza Powszechna, 1953. 207 p. Nicolaus Copernicus and his theory. ilus.

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

1. RYEKA, EUGENYUSZ
2. USSR (600)
4. Copernicus, Nicolaus, 1473-1543
7. Great Polish astronomer, Priroda 42 no. 5, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

KYBKA, E.V.

AID P - 434

Subject : USSR/Astronomy

Card 1/1 Pub. 8, 13/16

Author : Perel', Yu. G.

Title : Review of the Polish Book: Contribution of Polish
Astronomers to World Science, by E. V. Rybka, 1953

Periodical : Astron. zhur., v. 31-4, 398-399, Jl-Ag 1954

Abstract : This is the first attempt of writing the history of
Polish astronomers from Copernicus' predecessors to
the present day. A detailed favorable account of this
popular book is given.

Institution : None

Submitted : No date

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

RYBKA, E.

Astronomia (Astronomy), by E. Rybka. Reported in New Books, (Nowe Ksiazki), No. 6, March 15, 1956.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

RYBKA, Ye.V.

Jan Sniadecki; on the bicentennial of his birth. Ist.-astron. issl.
no.2:267-288 '56. (MLRA 10:6)
(Sniadecki, Jan, 1756-1830)

RYBKA, Wieslaw (Warszawa)

Boiling process of water with alcohol and ketone admixture.
Archiw bud masz 10 no.1:15-28 '63.

RYBKIN, A., prof.

I am for an expedient use of rotor lines. MTO 2 no.8:35 Ag '60.
(MIRA 13:10)

1. Predsedatel' tekhniko-ekonomiceskogo soveta Moskovskogo
oblstnogo sovnarkhoza.
(Machinery, Automatic)

RYBGIN, A., prof.

Rotor lines are the future of automation. Tekh.mol. 28
no.2:1-3 '60. (MIRA 13:6)

1. Predsedatel' Tekhniko-ekonomiceskogo soveta Moskovskogo
oblastnogo sovnarkhoza.
(Assembly-line methods) (Automation)

RYBKI_N, A.

Protect the interests of disabled workers. Prom. koop. no. 11:22-23
N 56. (MLRA 9:12)

1. Starshiy inspektor Upravleniya po obucheniyu, grudovomu i
bytovomu ustroistvu invalidov Ministerstva sotsial'nogo obes-
pecheniya RSFSR.
(Disabled--Rehabilitation, etc.)

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CIA-RDP86-00513R001446410010-0

RYBKN, R

RYBKN, A.; AVDEYEV, M.

Electric heaters for crankcase oil. Avt. transp. 36 no. 2:30 F '58.
(Automobiles--Lubrication) (MIRA 11:2)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

RYBGIN, A.D.

Typical systems of underground brown coal workings in the Ukrainian SSR. Zap. Inst. gor. mekh. AN URSR no. 5:151-167 '47. (MLRA 8:4)

1. Ispolnyayushchiy obyazannosti starshego nauchnogo sotrudnika IGM Akademii nauk USSR.
(Ukraine--Coal mines and mining)

Rybkin, A.D.

Aksenov, V. P., Zamorenov, N. P., and Rybkin, A. D.:
Razrabotka burykh uglei Ukrayny (The Processing of
Ukrainian Brown Coals). Kiev: Gosudarst. Izdatel.
Tekh. Lit. Ukr. S.S.R. 1955. 251 pp.

3

LEWANDOWSKI, Bogumil; RYBINSKI, Jerzy

Retention period of air bubbles in aeration reservoirs.
Gaz woda techn sanit 37 no.8:257-260 Ag '63.

1. Department of Hydraulic Construction, Technical University,
Gdansk (for Lewandowski). 2. Institute of Hydraulic Engineering,
Polish Academy of Sciences, Gdansk (for Rybinski).

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0

RYEKN, Aleksandr Pavlovich

"Soviet Metal Cutting Benches," Nauka i Zhizn', No. 6, 1948.

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R001446410010-0"

1. RYBKIN, A. P., Prof.
2. USSR (60)
4. Metal Cutting
7. Giant machine tool. Tekh. molod. 20 no. 11 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. RYBKI^N, A. P.
2. USSR (600)
4. Machine-Tool Industry
7. Soviet machine building on the thirty-fifth anniversary of the Great October Revolution, Stan. i instr., 23, No. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

RYBKIN, A.P., professor, zamestitel' nachal'nika.

Gigantic milling machine. Tekh.molod. 21 no.8:19-21 Ag '53. (MLRA 6:7)

1. Tekhnicheskoye upravleniye Ministerstva mashinostroyeniya SSSR.
(Milling machines)

RYBGIN, A.P., professor, laureat Stalinskoy premii, zamestitel' nachal'nika.

Giant milling machine. Tekh.molod. 21 no.10:19-21 O '53. (MLRA 6:10)

1. Tekhnicheskoye upravleniye Ministerstva mashinostroyeniya SSSR.
(Milling machines)

RYBKIN, A. P.
USSR/Engineering - Machine Construction

Card 1/1

Author : Rybkin, A. P.
Title : Machine Building in 1953 and Tasks for 1954-1955
Periodical : Stan. i Instr. Ed. 1, 1-3, Jan/1954
Abstract : The XIX Congress of the All-Union Communist Party adopted provisions for the fifth Five-Year Plan (1951-1955) which call for an increase in production of heavy industrial machinery by 260%, precision machine-tools by 200%, and forging and press machines by 800%. The production of appropriate machinery in 1951-1953, constituted 86.9% of the overall output, and increased 150%, over 1950.
Institution :,
Submitted :

RYBKI^N, A. P.

Wrote article on TOOL AND ABRASIVES INDUSTRY IN 1953 - in Stanki i Instrument, Moscow,
January 1954.

Sum. 179, 11 Aug 54

USSR/Miscellaneous - Industry

Card 1/1 Pub. 103 - 1/24

Authors : Rybkin, A. P.

Title : For further development of the Soviet Machine Construction Industry

Periodical : Stan. i instr. ll, 1-2, Nov 1954

Abstract : A resolution was passed by the 19-th congress of the Communist Party of the USSR calling for a continuous increase in the manufacture of machines and tools by the Soviet Machine Construction Industry. The Communist Party calls for closer cooperation between science and industry for the purpose of developing the Soviet industry.

Institution : ...

Submitted : ...

RYBKIN, A.P., professor.

Some problems of mechanization and automatization in the machinery.
Mekh. trud. rab. 11 no.1:6-8 Ja '57. (MLRA 10:5)
(Machinery industry) (Automatic control)

25(1)

PHASE I BOOK EXPLOITATION

SOV/1701

Rybkin, Aleksandr Pavlovich, Professor, and Ashot Mushegovich
Gevorkyan, Candidate of Technical Sciences

Novaya tekhnologiya v mashinostroyenii; osnovnyye napravleniya v razvitiu tekhnologii mashinostroyeniya (New Technology in Machine Building; Basic Trends in the Development of the Technology of Machine Building) Moscow, Izd-vo "Znaniye," 1958. 51 p. (Series: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znanii. Ser. 4, 1958, nos. 6/7) 46,5000 copies printed.

Ed.: T.F. Islankina; Tech. Ed.: I.A. Streletsiky.

PURPOSE: The book is intended to acquaint the general reader with the advanced manufacturing processes used in the machine-building industry and with the main trends in production automation.

COVERAGE: The booklet deals with the introduction of new types of machinery and production methods into founding, forging, stamping,

Card 1/4

New Technology in Machine Building (Cont.)

SOV/1701

welding and machining. Modernization of equipment, development of various types of mass production and automated production lines are also discussed. The booklet describes methods of electroerosion and ultrasonic machining, and metal, chemical and paint-lacquer coating. Financial and economic aspects of the industry are also covered. No personalities are mentioned. There are 5 Soviet references.

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Card 2/4

New Technology in Machine Building (Cont.)

SOV/1701

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Card 4/4

GO/Jab
6/17/59